

GLOBAL ATTRIBUTE MAPPING DATA IN
AN ENTERPRISE INFORMATION SYSTEM

ABSTRACT OF THE INVENTION

5 Methods and systems for identifying and maintaining relationships in a network of peer-to-peer enterprise information systems that include a unified entity-relationship system that has a number of entities, each of which has a number of attributes. Subsumed entity-relationship systems are coupled to the unified entity-relationship system, and the entities of the unified entity-
10 relationship system are mapped to one another and to entities and attributes of entities of the subsumed entity-relationship systems. A join engine is coupled to the unified entity-relationship system for performing joins and splits to form related entities and an object model that is coupled to the join engine is available globally throughout the network. The object model contains the
15 mapped relationships and is deployed in conjunction with a join model, the join model specifying transformations and queries required for forming an entity from a set of related entities.